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Total Number of Pages in This Submission

|                        |                    |
|------------------------|--------------------|
| Application Number     | 10/526,213         |
| Filing Date            | 11/14/2005         |
| First Named Inventor   | Atsunori Hiratsuka |
| Art Unit               | 1753               |
| Examiner Name          |                    |
| Attorney Docket Number | SHIMIZU-08894      |

## ENCLOSURES (Check all that apply)

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| <input type="checkbox"/> Fee Transmittal Form                             | <input type="checkbox"/> Drawing(s)   | <input type="checkbox"/> After Allowance Communication to TC                            |
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| <input type="checkbox"/> Affidavits/declaration(s)                        | <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address | <input type="checkbox"/> Status Letter  |
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## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

|              |                       |          |        |
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| Firm Name    | Medlen & Carroll, LLP |          |        |
| Signature    |                       |          |        |
| Printed name | Christine A. Lekutis  |          |        |
| Date         | November 7, 2006      | Reg. No. | 51,934 |

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This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: Atsunori Hiratsuka *et al.*  
Serial No.: 10/526,213  
Filed: 11/14/2005  
Entitled: **Methods For Separating Substances**

Group No.: 1753  
Examiner:

**INFORMATION DISCLOSURE STATEMENT**

**MS Amendment**  
Commissioner for Patents  
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| Dated: <u>November 7, 2006</u>   | By: <br>Cliff Cannon-Cin |

Dear Sir or Madam:

The citations listed below, copies attached, may be material to the examination of the above-identified application, and are therefore submitted in compliance with the duty of disclosure defined in 37 C.F.R. § 1.56 and § 1.97. Also attached for the Examiner's convenience is an English translation of the International Search Report and the International Preliminary Examination Report of the parent International Application No. PCT/JP03/11352.

The Examiner is requested to make these citations of official record in this application:

- U.S. Patent No. 4,680,201 to Hjerten, "Coating for electrophoresis tube," 1987;
- U.S. Patent No. 4,865,706 to Karger *et al.*, "High performance microcapillary gel electrophoresis," 1989;
- U.S. Patent No. 4,865,707 to Karger *et al.*, "Capillary gel electrophoresis columns," 1989;
- U.S. Patent No. 5,074,982 to Novotny *et al.*, "Suppression of electrophoresis with hydrolytically stable coatings," 1991;
- U.S. Patent No. 5,322,608 to Karger *et al.*, "Siloxandiol coating for capillary electrophoresis and for general surface modification," 1994;

- U.S. Patent No. 5,447,617 to Shieh, "Coated capillary columns and electrophoresis separation methods for their use," 1995;
- International Publication No. WO 91/06851 of Wiktorowicz, "Flow-rate controlled surface charge coating for capillary electrophoresis," 1991;
- International Publication No. WO 93/22665 of Demorest *et al.*, "Capillary electrophoresis molecular weight separation of biomolecules using a polymer containing solution," 1993;
- International Publication No. WO 95/16911 of Madabhushi *et al.*, "Polymers for separation of biomolecules by capillary electrophoresis," 1995;
- International Publication No. WO 03/084682 of Goodwin *et al.*, "Protective coating composition," 2003;
- JP 5-503989 of Wiktorowicz, "Flow-rate controlled surface charge coating for capillary electrophoresis," 1993, in Japanese accompanied by related English publication WO 91/06851;
- JP 7-506432 of Demorest *et al.*, "Capillary electrophoresis molecular weight separation of biomolecules using a polymer-containing solution," 1995, in Japanese accompanied by related English publication WO 93/22665;
- JP 9-504375 of Madabhushi *et al.*, "Polymers for separation of biomolecules by capillary electrophoresis," 1997, in Japanese accompanied by related English publication WO 95/16911;
- JP 2001-041929 of Tajima *et al.*, "Electrophoretic element," 2001, in Japanese accompanied by computerized English translation;
- JP 2002-148236 of Yamakawa *et al.*, "Electrophoretic apparatus," 2002, provided by WIPO;
- JP 2003-065906 of Horiike *et al.*, "Liquid moving device, liquid component analyzer and method for manufacturing them," 2003, in Japanese accompanied by computerized English translation;
- JP 2005-522312 of Goodwin *et al.*, "Protective coating composition," 2005, in Japanese accompanied by related English publication WO 03/084682;
- Burns, "Surface characterization through measurement of electroosmosis at flat plates," *J Colloid Interface Sci*, 183:249-259, 1996, provided by WIPO;

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- Emoto *et al.*, "Coating of surfaces with stabilized reactive micelles from poly(ethylene glycol)-poly(DL-lactic acid) block copolymer," Langmuir, 15:5212-5218, 1999;
- Esashi, "Micro machine," Applied Physics, 60:227-238, 1991, in Japanese with concise English explanation;
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- Mikkers *et al.*, "High-performance zone electrophoresis," J Chromatography, 169:11-20, 1979; and
- Tsai *et al.*, "Application of plasma-polymerized films for isoelectric focusing of proteins in a capillary electrophoresis chip," Analyst, 128:237-244, 2003.

This Information Disclosure Statement under 37 C.F.R. § 1.56 and § 1.97 is not to be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that any one or more of these citations constitutes prior art.

Dated: November 7, 2006



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